

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Michel VAULTIER et al

Conf.

Application No. **NEW NATIONAL PHASE**

Group

Filed January 6, 2006

Examiner

USE OF FUNCTIONALIZED ONIUM SALTS AS A SOLUBLE SUPPORT FOR ORGANIC SYNTHESIS

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

January 6, 2006

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Copies of the U.S. patents or publications are not submitted since the USPTO has waived their submission for applications filed after June 30, 2003.
- ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should have been forwarded from the International Search Authority pursuant to the trilateral agreement between the USPTO, EPO and JPO, or they are U.S. patents or U.S. published applications. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE **AP15 Rec'd PCT/PTO 06 JAN 2006**
 (check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached non U.S. patents, non U.S. patent application publications, foreign publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☒ **FOREIGN SEARCH REPORT OR ACTION**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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BC/lpp

Enclosures:

- ☒ Form PTO-1449(s)
☒ Documents
☒ Foreign Search Report
☐ Other: _____

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.:
0508-1152

Application No. **20150635**
NEW NATIONAL PHASE

Applicant:
Michel VAULTIER et al

Filing Date:
January 6, 2006

Group Art Unit:

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	FRAGA-DUBREUIL J ET: "Grafted ionic liquid-phase-supported synthesis of small organic molecules" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 42, no. 35, 27 August 2001 (2001-08-27), pages 6097-6100, XP004298190 ISSN: 0040-4039 the whole document
	DUBREUIL J F ET AL: "Rate accelerations of 1,3-dipolar cycloaddition reactions in ionic liquids" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 41, no. 38, 16 September 2000 (2000-09-16), pages 7351-7355, XP004211923 ISSN: 0040-4039 the whole document
	WEISHI MIAO, TAK HANG CHAN: "Exploration of ionic liquids as soluble supports for organic synthesis. Demonstration with suzuki coupling reaction" ORGANIC LETTERS, vol. 5, no. 26, 22 November 2003 (2003-11-22), pages 5003-5, XP002272080 the whole document
	ANJIAH S ET AL: "Synthesis and preliminary use of novel acrylic ester-derived task-specific ionic liquids" TETRAHEDRON LETTRS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 45, no. 3, 12 January 2004 (2004-01-12), pages 569-571, XP004480197 ISSN: 0040-4039 the whole document
	FRAGA-DUBREUIL J ET AL: "Efficient combination of task-specific ionic liquid and microwave dielectric heating applied to one-pot three component synthesis of a small library of 4-thiazolidinones" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 59, no. 32, 4 August 2003 (2003-08-04), pages 6121-6130, XP004442559 ISSN: 0040-4020 the whole document

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* English language abstract provided for the Examiner's convenience

BC/lpp

Y&T January 6, 2006